Spare Control Panel Instructions

This document describes how to remove and replace a control panel (left flange) on a SnapServer XSR 120 or SnapScale X2 node from Overland Storage.

WARNING: To reduce the risk of electric shock or damage to equipment, always remove any power cords while working with the unit.

WARNUNG: Um das Risiko eines elektrischen Schlags oder Schäden am Gerät zu vermeiden, ziehen Sie stets den Netzstecker, bevor Sie an der Einheit arbeiten.

AVERTISSEMENT: Pour réduire le risque de choc électrique ou endommagement de l'équipement, retirez toujours les cordons électriques en travaillant avec l'appareil.

CAUTION: While working with the unit, observe standard Electrostatic Discharge (ESD) precautions to prevent damage to micro-circuitry or static-sensitive devices.

Prepare the Unit

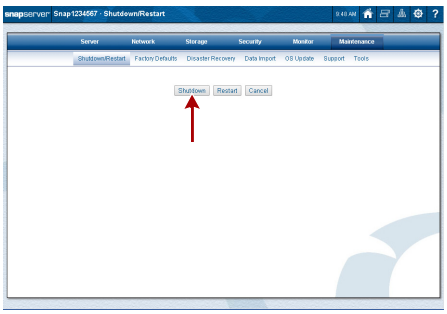
Power Off and Disconnect

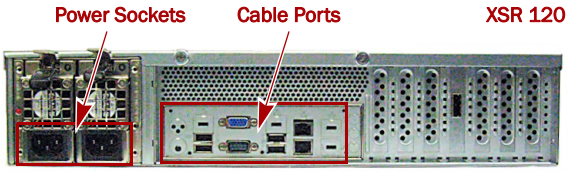
If the unit is still running, power it down cleanly:

1. Power off the **server/cluster:**
   - **SnapServer**: Use the Web Management Interface to shut down the server (**Maintenance > Reboot and Shutdown > Shutdown**).
   - **SnapScale**: There are two power-off options available.
     - Shut off the **entire cluster** by using the Web Management Interface (**Maintenance > Shutdown/ Restart > Shutdown**).

       This is the recommended option. By shutting down the entire cluster, no peer sets will need to be rebuilt when it is reactivated. However, the cluster will be offline and unavailable during the repairs.
     - Shut off just the **affected node** by briefly pressing the **Power button** on a node.

       By shutting down only the node, the cluster remains online and active. However, some peer sets will be operating with either less (3x replication) or no (2x replication) redundancy while the node is down and afterwards when the peer sets are being rebuilt.
2. When all the LEDs are off, disconnect the **power cords**.
3. Disconnect the remaining **cables** from the unit, noting their locations.





Remove the Front Bezel

1. Carefully take hold of the front **bezel** and pull it straight out from the appliance until the magnets release.
2. Set the bezel aside on a **secure surface**.

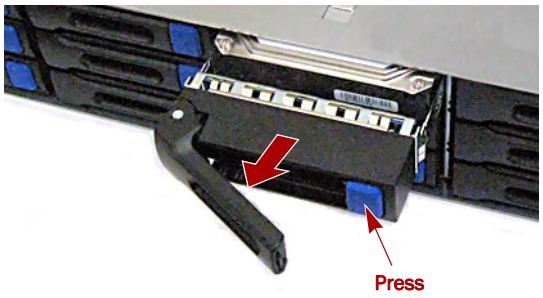
Remove the Drives

IMPORTANT: Overland recommends that you remove the disk drives to reduce the unit's weight prior to removal.

Remove **all** the drive carriers. For SnapScale, note from which bays they were removed. Blank carriers can remain in their bays.

NOTE: Do not remove the disk drives from their carriers. Doing so voids the drive warranty.

1. Press the release **button** on the right side of the carrier.
2. Using the built-in **handle**, pull the carrier out.
3. **Number the carrier** and set it on a secure surface.
4. Repeat Steps 1–3 for **all** the remaining drive carriers.



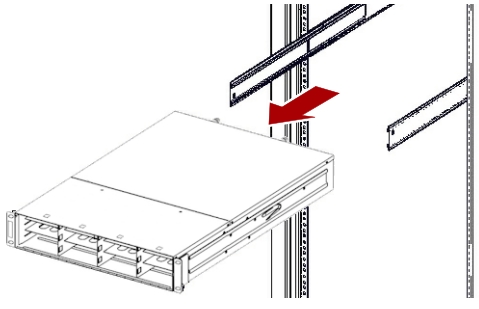
Remove Unit from Rack

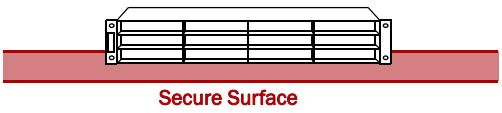
WARNING: It is recommended that a mechanical lifter (or at least two people) be used during rack installation or removal to prevent injury.

WARNUNG: Um Verletzungen zu vermeiden, empfehlen wir zur Rack-Installation oder -Deinstallation die Nutzung einer mechanischen Hebehilfe (oder mindestens zwei Personen).

AVERTISSEMENT: Pour éviter toute blessure il est recommande qu'un monte-charge (ou deux personnes au moins) soit utilisé lors de l'installation ou de l'enlèvement du support.

1. Remove and retain the **four screws** securing the unit to the rack.
2. With a lifter positioned in front of the array, release the rail locks and slide the **chassis** out onto the lifter.
3. Move the chassis onto a **secure surface**.





Replace the Control Panel Flange

Remove LED Wire Cover & Flange

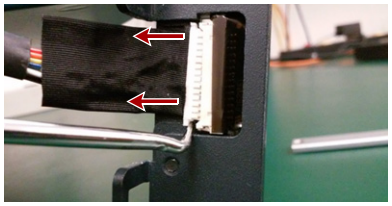
1. Remove and retain the **rear screw** on the wire cover.
2. Pull the rear of the **cover** away from the chassis, slide it out, and set it aside.
3. Remove and retain the **two screws** holding the flange.

   Be careful not to put a strain on the wiring.

Remove the Wiring

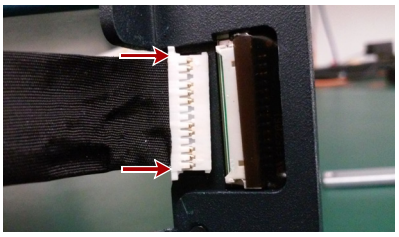
1. Using a small tool, loosen both the top and bottom of the **wiring connector**.
2. Gently pull the wiring connector out of its **socket**.

   Dispose of the old flange properly. There is no need to return it.



Install New Flange

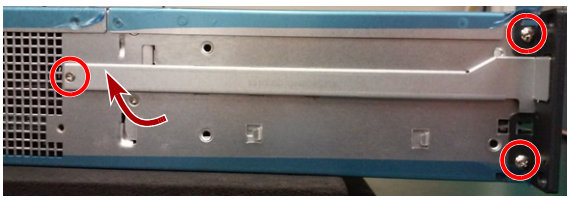
1. Carefully insert the **wiring connector** into the socket on the new flange.
2. Gently push the **ends** of the connector to verify that it seats correctly.



Reinstall LED Wire Cover & Flange

1. Using the retained screws, attach the **new flange**.
2. Insert the front of the **cover** into its slot, push it in and against the chassis.

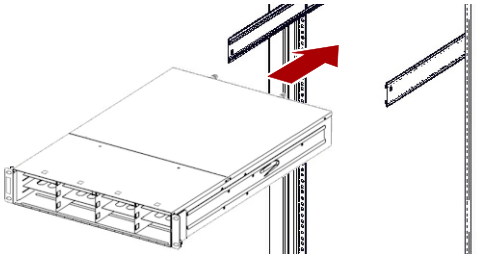
   Verify the alignment of the tabs along the cover into the slots on the chassis.
3. Using the **retained screw**, secure the cover at the rear.



Reassemble the Unit

Return Chassis to Rack

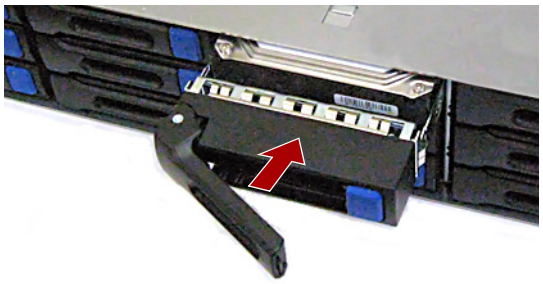
1. Slide out the **middle rails** from the rack.
2. Using the mechanical lifter, position the **chassis** in front of the rack.
3. Insert the **inner rails** into the **middle rails** and slide the unit into the rack.
4. Using the **four retained screws**, secure the unit.



Reinstall Drives

1. Position a **drive assembly** in front of its empty **bay**.

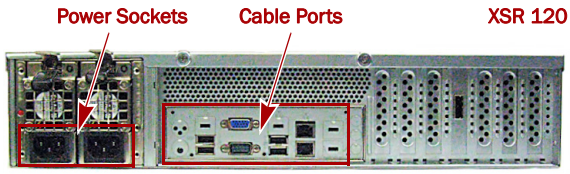
   For SnapScale, they must be returned to the bay they were removed from. Refer to the number on the assembly.
2. Slide the assembly in until the **latch** clicks, securing it.
3. Repeat Steps 1–2 for **all** remaining drive carriers.



IMPORTANT: To maintain proper airflow and cooling, a drive assembly or a blank carrier must be installed in *every* bay. No empty bays are allowed.

Reattach Cables and Power Cords

1. Reattach all **cables** to the same connections as before.
2. Attach the **power cords**.
3. At the front of the unit, press the **power switch** for less than a second to power the unit ON.



Reattach the Bezel

1. Position the **bezel** with the tabs aligned **inside** the top and bottom edges of the chassis.
2. Move bezel toward the unit until the **magnets** connect.
3. Verify that the bezel is **aligned** properly, all the LEDs are visible, and the Power panel is centered in the left flange.